

Application Number 10/530107
Response to Office Action dated 06/21/2007

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Amendments to the Claims:

This listing of claims will replace all prior versions and listings of claims in the application.

Listing of Claims:

1. (Currently Amended) A data relay device for connecting ~~to a network~~ a plurality of kinds of testing or measuring devices ~~data-generating devices~~ generating test data or measurement data in different formats to a network including a data management device for processing the test data or the measurement data, comprising:

a data receiving portion for receiving the test data or the measurement data from the testing or measuring devices ~~data from the plurality of kinds of data-generating devices~~; and

a converting portion for converting the test data or measurement data received by the data receiving portion into a common format that is processable by the data management device ~~other devices on the network~~.

2. (Currently Amended) The data relay device according to claim 1, further comprising

a connected device information storing portion for storing device information on the connected ~~data-generating~~ testing or measuring devices, and

a device information updating portion for, when receiving from one of the testing or measuring ~~data-generating~~ devices data containing the device information of the data generating testing or measuring device, making a comparison of the device information in the received data and the device information stored in the connected device

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information storing portion and updating a content of the connected device information storing portion according to a result of the comparison.

3. (Currently Amended) The data relay device according to claim 2, further comprising a device information sending portion for sending the device information received from the ~~data-generating testing or measuring device to a data management device for processing the data from the data-generating management device~~ via the network.

4. (Currently Amended) The data relay device according to claim 1, further comprising a conversion program storing portion for storing a conversion program for causing the converting portion to conduct a conversion processing according to the kind of each of the ~~data-generating testing or measuring~~ devices, and

a conversion program obtaining portion for determining whether a conversion program for a ~~data-generating testing or measuring device~~ is stored in the conversion program storing portion when the ~~data-generating testing or measuring device~~ is newly connected and, if not, requesting the conversion program.

5. (Currently Amended) The data relay device according to claim 4, further comprising an analyzing portion for extracting a feature of the data received from the ~~data-generating testing or measuring device~~, thereby specifying the kind of the connected ~~data-generating testing or measuring device~~.

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6. (Currently Amended) A data management system in which, using a data relay device, ~~for connecting to a network~~ a plurality of kinds of ~~data-generating testing or measuring~~ devices generating test data or measurement data in different formats are connected to a network including a data management device for processing the test data or the measurement data, ~~the data-generating devices are connected to a data management device on the network~~, the data relay device comprising:

a data receiving portion for receiving the test data or measurement data from the ~~plurality of kinds of data-generating testing or measuring~~ devices; and

a converting portion for converting the test data or measurement data received by the data receiving portion into a common format that is processable by ~~other devices on the network~~ the data management device;

wherein the data management device processes the data from the ~~data-generating testing or measuring~~ devices in the common format.

7. (Currently Amended) The data management system according to claim 6, wherein the data relay device further comprises

a connected device information storing portion for storing device information on the connected ~~data-generating testing or measuring~~ devices, and

a device information updating portion for, when receiving from one of the ~~data-generating testing or measuring~~ devices data containing the device information of the data-generating testing or measuring device, making a comparison of the device information in the received data and the device information stored in the connected

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device information storing portion and updating a content of the connected device information storing portion according to a result of the comparison.

8. (Currently Amended) The data management system according to claim 7, wherein the data relay device further comprises a device information sending portion for sending the device information received from the ~~data-generating testing or measuring~~ device to the data management device via the network.

9. (Currently Amended) The data management system according to claim 6, further comprising a conversion program storing device for storing conversion programs for various kinds of the ~~data-generating testing or measuring~~ devices,

wherein the data relay device further comprises

a conversion program storing portion for storing a conversion program for causing the converting portion to conduct a conversion processing according to the kind of each of the ~~data-generating testing or measuring~~ devices, and

a conversion program obtaining portion for determining whether a conversion program for a ~~data-generating testing or measuring~~ device is stored in the conversion program storing portion when the ~~data-generating testing or measuring~~ device is newly connected and, if not, requesting the conversion program from the conversion program storing device.

10. (Currently Amended) The data management system according to claim 9, wherein the data relay device further comprises an analyzing portion for extracting a feature of the

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data received from the ~~data-generating testing or measuring~~ device, thereby specifying the kind of the connected ~~data-generating testing or measuring~~ device.

11. (Currently Amended) The data management system according to claim 9, wherein the conversion program storing device further comprises an analyzing portion for extracting a feature of the data received from the ~~data-generating testing or measuring~~ device, thereby specifying the kind of the connected ~~data-generating testing or measuring~~ device.

12. (Original) The data management system according to claim 9, wherein the data relay device sends the conversion program obtained from the conversion program storing device to other data relay devices connected to the network.

13. (Original) The data management system according to claim 9, wherein the data relay device periodically accesses the conversion program storing device and, if a new conversion program is stored, obtains the conversion program and stores it in the conversion program storing portion.